What is claimed is:

1. A vertical film cassette positioner for a child positioning apparatus for X-ray photography comprising:

(a) an L-angle having a vertical portion and a horizontal portion;

(b) a vertical groove in the vertical portion of the L-angle;

(c) a film cassette tray;

(d) a right and left tray guide attached to the tray for slidably guiding the tray along the vertical portion of the L-angle; and

(e) a pass through fastener having a first end attached to the tray and a connecting portion passing through the vertical groove to a control portion for engaging and disengaging the cassette tray with the vertical portion.

2. The vertical film cassette positioner of claim 1 wherein the control portion of the pass through fastener is a dial knob.

3. The vertical film cassette positioner of claim 1 wherein the horizontal portion of the L-angle is mounted in a block attached to a top of the child positioning apparatus.

4. The vertical X-ray cassette positoner of claim 3 wherein the horizontal portion of the L-angle, has a groove and a second pass through fastener with a control portion, a connecting portion passing through the horizontal groove and a first end attached to the block.

5. An upright restraint locking mechanism for a child positioning apparatus for X-ray photography comprising:

(a) a slide block having a top, bottom, a front, a rear, and two opposing side surfaces;

(b) a channel open to the top of the slide block and connecting the two opposing side surfaces;

(c) a divider separating the channel creating a first sub-channel and a second sub-channel;

(d) a first spring loaded guide having a slide for enclosing the first sub-channel between the slide and the divider; and

(e) a second spring loaded guide having a slide for enclosing the second sub-channel between the slide and the divider.

6. The upright restraint locking mechanism of claim 5 wherein the slide block is made of ultra high molecular weight polyethylene.

7. An adjustable indicator plate mechanism for a child positioning apparatus comprising:

(a) a guide attached to the positioning apparatus;

(b) a mounting plate having a front side and a rear side said mounting plate having a vertical groove centered on the mounting plate and being vertically moveable with respect to the guide;

(c) a lead sheild attached to the mounting plate;

(d) a pass through fastener having a control portion, a connecting portion passing through the mounting plate vertical

groove and an end portion engaging the positioning aparatus, wherein the control portion is operable to engage and disengage the mounting plate and thereby allow it to be fixed in a desired position relative to the child positioning apparatus.

8. The adjustable indicator plate mechanism of claim 7 wherein the lead sheild has indicia markers rotatably attached.

9. The adjustable indicator plate mechanism of claim 7 wherein the control portion of the pass through fastener is a dial knob.

10. An upright restraint fastening mechanism for a child positioning apparatus comprising;

(a) a first upright restraint;

(b) a strap attached to the first upright said strap having a first side comprising a first fastenable material and a second side ; and

(c) a second upright restraint having a second fastenable material attached thereon wherein the first and second fastenable materials may be removably connected.

11. The upright restraint fastening mechanism for a child positioning apparatus of claim 10 wherein the second side of the first strap comprises the second fastenable material and when the first strap is wrapped around the first upright restraint and the second upright restraint the first fastenable material of the strapis removably connected to the second fastenable material of the strap.

12. The upright restraint fastening mechanism for a child positioning apparatus of claim 10 wherein the first fastenable

material is loop material and said second fastenable material is hook material.

13. The upright restraint fastening mechanism of claim 11 wherein said first fastenable material is hook material and said second fastenable material is loop material.

14. A turntable latch mechanism for fixing the turntable of a child positioning apparatus comprising:

(a) a lock hole positioned on the perimeter of the turntable;

(b) a lock mechanism mounted on a top of the child positioning apparatus proximal to the perimeter of the turntable comprising:

i) a shaft for engaging the lock hole; and

ii) a lock tab in communication with the lock shaft for activating the lock shaft by causing it to move forward toward the perimeter of the turntable and for deactivating the lock shaft by causing it to move rearward away from the turntable.

15. The turntable latch mechanism of claim 14 further comprising the addition of indicia on the top corresponding to degrees of rotation of the turntable from a home position.

16. An adjustable seat mechanism supported by a turntable for use with a child positioning apparatus the adjustable seat comprising:

(a) a seat;

(b) a seat stand attached to the seat having a plurality of engagement contacts;

(c) a seat lock for retractably engaging an engagement contact; and

(d) a seat lock cover attached to the turntable proximal to the seat lock for preventing the application of leverage to an engaged seat lock when the seat lock is moved indirectly by movement of the seat stand.

17. The adjustable seat mechanism of claim 16 wherein said plurality of engagement contacts are serations in said seat stand.

18. An upright restraint fastening mechanism supported by a turntable for a child positioning apparatus comprising;

(a) a first upright restraint having a first wing brace for standing the first upright on a top of the turntable;

(b) a strap attached to the first upright said strap having a first side comprising a first fastenable material and a second side ;

(c) a second upright restraint having a second wing brace for standing the second upright on the turntable top said second upright restraint having a second fastenable material attached thereon wherein the first and second fastenable materials may be removably connected;

(d) a first wing clamp rotatably attached to the turntable proximal to the first wing brace for engaging said first wing brace and a second wing clamp rotatably attached to the turntable

proximal to the second wing brace for engaging said second wing brace.

19. The upright restraint fastening mechanism of claim 18 wherein the turntable top has an upright restraint pad between the first upright restraint and said turntable and the second upright restraint and said turntable.

20. The upright restraint fastening mechanism of claim 19 wherein said upright restraint pad is made of an elastomer.

21. A child positioning apparatus having a rotatable turntable comprising:

(a) A vertical film cassette positioner comprising:

(i) an L-angle having a vertical portion and a horizontal portion said horizontal portion mounted in a block attached to a top of the child positioning apparatus;

(ii) a vertical groove in the vertical portion of the L-angle;

(iii) a film cassette tray;

(iv) a right and left tray guide attached to the tray for slidably guiding the tray along the vertical portion of the L-angle;

(v) a dial knob having a first end attached to the tray and a connecting portion passing through the vertical groove to a control portion for engaging and disengaging the cassette tray with the vertical portion;

(b) a second dial knob with a control portion, a connecting portion passing through the horizontal portion of the L-angle

said horizontal portion having a groove and a first end attached to the block;

(c) an upright restraint fastening mechanism supported by the turntable comprising;

(i) a first upright restraint having a first wing brace for standing the first upright on a top of the turntable;

(ii) a strap attached to the first upright said strap having a first side comprising a first fastenable material and a second side ;

(iii) a second upright restraint having a second wing brace for standing the second upright on the turntable top said second upright restraint having a second fastenable material attached thereon wherein the first and second fastenable materials may be removably connected;

(iv) a first wing clamp rotatably attached to the turntable proximal to the first wing brace for engaging said first wing brace and a second wing clamp rotatably attached to the turntable proximal to the second wing brace for engaging said second wing brace;

(v) at least one upright restraint pad between said first upright restraint and the turntable and said second upright restraint and the turntable;

(d) an adjustable indicator plate comprising:

(i) a guide attached to the positioning apparatus;

(ii) a mounting plate having a front side and a rear side said mounting plate having a vertical groove on the mounting plate and being vertically moveable with respect to the guide;

(iii) a sheild attached to the mounting plate;

(iv) a third dial knob having a control portion, a connecting portion passing through the mounting plate vertical groove and an end portion engaging the positioning aparatus, wherein the control portion is operable to engage and disengage the mounting plate and thereby allow it to be fixed in a desired position relative to the child positioning apparatus;

(e) a turntable latch mechanism comprising:

(i) a lock hole positioned on the perimeter of the turntable;

(ii) a lock mechanism mounted on the top of the child positioning apparatus proximal to the perimeter of the turntable comprising:

(1) a shaft for engaging the lock hole; and

(2) a lock tab in communication with the lock shaft for activating the lock shaft by causing it to move forward toward the perimeter of the turntable and for deactivating the lock shaft by causing it to move rearward away from the turntable.

(f) an adjustable seat mechanism comprising:

(i) a seat;

(ii) a seat stand attached to the seat having a plurality of engagement contacts;

(iii) a seat lock for retractably engaging an engagement contact; and

(iv) a seat lock cover attached to the turntable proximal to the seat lock for preventing the application of leverage to an engaged seat lock when the seat lock is moved indirectly by movement of the seat stand.

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